(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 6 May 2005 (06.05.2005)

(10) International Publication Number WO 2005/039319 A2

- (51) International Patent Classification7: A23L 1/29, 1/30, A61K 31/733, 31/702, 35/74, A61P 37/00
- (21) International Application Number:

PCT/NL2004/000748

- (22) International Filing Date: 25 October 2004 (25.10.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03078374.0

24 October 2003 (24.10.2003)

- (71) Applicant (for all designated States except US): N.V. NUTRICIA [NL/NL]; Eerste Stationsstraat 186, NL-2712 HM Zoetermeer (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SPEELMANS, Gelske [NL/NL]; Opal 15, NL-6708 LW Wageningen (NL). KNOL, Jan [NL/NL]; Johan Beenstraat 10, NL-6708 SM Wageningen (NL). HAARMAN, Monique [NL/NL]; Thorbeckestraat 156, NL-6702 BW Wageningen (NL). GARSSEN, Johan [NL/NL]; Graaf Johanlaan 7, NL-3434 SG Nieuwegein (NL).
- (74) Agent: VAN WESTENBRUGGE, Andries; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYNBIOTIC COMPOSITION FOR INFANTS

(57) Abstract: There is provided a preparation comprising Bifidobacterium breve and a mixture of non-digestible carbohydrates for non- or partially breast-fed infants as well as the use thereof for the treatment or prevention of immune disorder in non- or partially breast-fed infants. Also provided herein are sequence primers and probe for the detection of Bifidobacterium species as well as diagnostic kit thereof.